

We Claim:

1. A lecithin product comprising a membrane separated lecithin having a ratio of alkali metals to alkaline earth metals, ranging from greater than 0 to about 10, and that imparts emulsion capacity and emulsion stability to emulsions.
- 5 2. The lecithin product of Claim 1 that imparts emulsion capacity of greater than 300 grams water per gram of lecithin.
3. The lecithin product according to Claim 1 wherein the ratio of the alkali metals to alkaline earth metals ranges from greater than 0 to about 5.
- 10 4. A lecithin product comprising a lecithin having a ratio of alkali metals to alkaline earth metals, ranging from about 1.6 to about 3.0, and that imparts emulsion capacity and emulsion stability to emulsions.
5. The lecithin product according to Claim 1 wherein the ratio of the alkali metals to alkaline earth metals ranges from about 1.8 to about 2.8.
- 15 6. The lecithin product of Claim 4 that imparts emulsion capacity of greater than 300 grams water per gram of lecithin.
7. An emulsion comprising from greater than 0 to about 99 weight % of a vegetable oil, from greater than 0 to about 99 weight % of an aqueous phase, and from greater than 0 to about 99% by weight of a lecithin product comprising a membrane separated lecithin having a ratio of alkali metals to alkaline earth metals, ranging from greater than 0 to about 10, and that imparts emulsion capacity and emulsion stability to emulsions.
- 20 8. The emulsion according to Claim 7 wherein the lecithin product has a ratio of the alkali metals to alkaline earth metals ranging from greater than 0 to about 5.
9. An emulsion comprising greater than 0 to about 99 weight % of a vegetable oil, from greater than 0 to about 99 weight % of an aqueous phase, and from greater than 0 to about 99% by weight of a lecithin product having a ratio of alkali metals to alkaline earth metals, ranging from about 1.6 to about 3.0, and that imparts emulsion capacity and emulsion stability to emulsions.
- 25 10. The emulsion according to Claim 9 wherein the lecithin product has a ratio of alkali metals to alkaline earth metals ranging from about 1.8 to about 2.8.
- 30 11. The emulsion according to Claim 6 that is a water-in-oil emulsion.
12. The emulsion according to Claim 6 that is an oil-in-water emulsion.
13. The emulsion according to Claim 9 that is a water-in-oil emulsion.
14. The emulsion according to Claim 9 that is an oil-in-water emulsion.